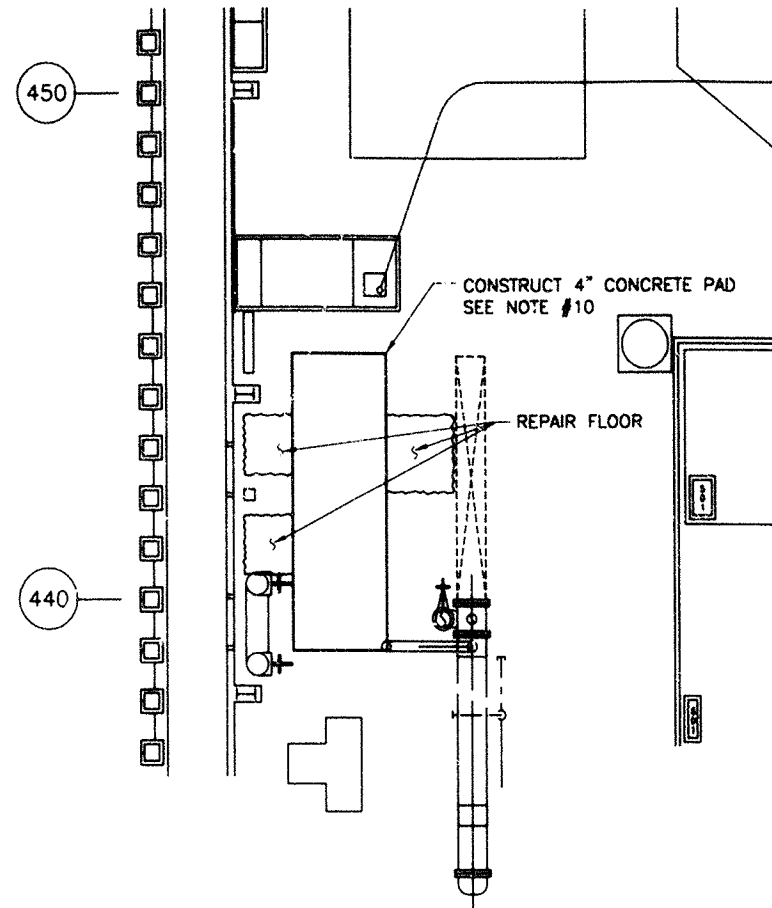
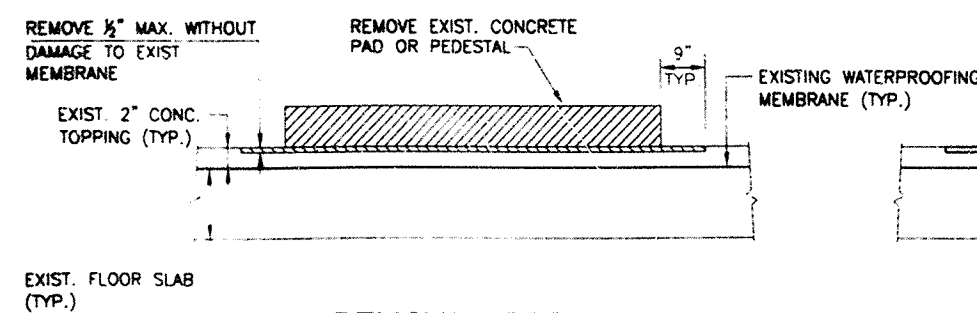


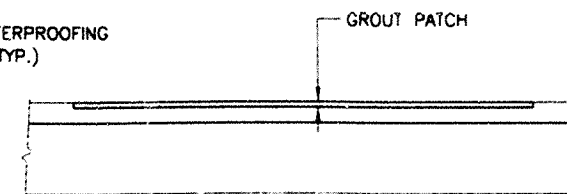
**PART PLAN 1 WTC - 41st FLOOR REMOVAL**



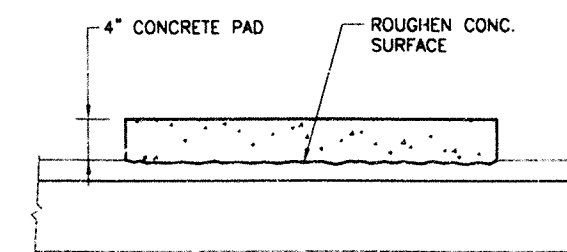
**PART PLAN 1WTC - 41st FLOOR CONCRETE PAD**



**REMOVAL DETAIL**



**FLOOR REPAIR DETAIL**



**CONCRETE PAD DETAIL**

**NOTES:**

1. THE CONTRACTOR SHALL SURVEY AND VERIFY ALL EXISTING CONDITIONS. NOTIFY THE ENGINEER IMMEDIATELY OF ANY DISCREPANCY BETWEEN ACTUAL CONDITIONS AND THOSE SHOWN.
2. CARE SHALL BE TAKEN NOT TO DAMAGE THE EXISTING WATERPROOFING MEMBRANE DURING THE REMOVAL OF CONCRETE PADS AND PEDESTALS.
3. REMOVE DEBRIS IMMEDIATELY FROM THE SITE. ACCUMULATION OF DEBRIS AT ANY AREA SHALL NOT BE PERMITTED.
4. THE WEIGHT OF JACKHAMMER IF USED TO REMOVE CONCRETE, SHALL NOT EXCEED 35 LBS WITH THE BIT AND MUFFLER REMOVED.
5. CAST IN PLACE CONCRETE PADS SHALL BE REGULAR WEIGHT ( $f'_c = 4,000$  psi) AND SHALL BE MIXED ON SITE. A MINIMUM OF 2 PORTABLE MIXERS EACH WITH 6.0 -CF MAXIMUM CAPACITY SHALL BE USED.
6. PATCHING GROUT SHALL BE "EMACO 415" BY "MASTER BUILDERS INC", OR "SIKA ROADWAY PATCH" BY "SIKA CORPORATION" OR AN APPROVED EQUAL.
7. ANCHORS TO SECURE ELECTRICAL EQUIPMENT TO CONCRETE PAD SHALL BE "HILTI HIT HY150" TYPE BOLTS, OR "HILTI HSL" TYPE BOLTS OR AN APPROVED EQUAL. BOLT SIZE SHALL BE AS REQUIRED BY THE EQUIPMENT MANUFACTURER. ALL ANCHORS SHALL BE APPROVED BY ICBO FOR SEISMIC APPLICATIONS.
8. SEE ELECTRICAL DRAWINGS FOR EXACT LOCATIONS AND DIMENSIONS OF CONCRETE PADS.
9. FOR MINIMUM CLEARANCE FROM EXISTING OBSTRUCTIONS. SEE ELECTRICAL DRAWINGS.
10. THE WEIGHT OF ALL ELECTRICAL EQUIPMENTS INCLUDING ENCLOSURE AND PANELING OVER CONCRETE PAD SHALL NOT EXCEED 19,000 LBS.

Sheet of

**THE PORT AUTHORITY  
OF NY & NJ**

ORIGINAL SIGNED BY J. DINKELS  
ENGINEERING PROGRAM MANAGER  
WORLD TRADE

ORIGINAL SIGNED BY C.Y. CHIU  
CHIEF STRUCTURAL ENGINEER

1 12/2/01 AS BID/CONFORMED  
DWC TO ADDENDUM #1  
No. Date Revision Approved

ENGINEERING DEPARTMENT

**WORLD  
TRADE  
CENTER**

STRUCTURAL

Title

TENANT STAND-BY POWER SYSTEM  
SUBSTATIONS SP-41A2, SP-7B

**PARTIAL FLOOR PLANS  
AND DETAILS**

This drawing subject to conditions in contract.  
All inventions, ideas, designs and methods  
herein are reserved to Port Authority and  
may not be used without its written consent.

S.YADOO S.MARTINEZ  
Designed by Drawn by Checked by

Date

Contract  
Number WTC-945.083

Drawing  
Number S1